

Village of Goshen Standard Specifications and Requirements:

Water Service:

Minimum ¾" K Copper, 100ft with no joints

Ball Style Curb Valve, Full Port, No Drain: Mueller B25209N

Ball Style Main Corp: Mueller B25008N

Unions- Mueller H-15403

Curb Box- Arch Pattern, Cast Iron/Steel Erie #2 (Mueller H10314)-with stainless rod and pin or Buffalo Style (General Foundry's I-94E) with brass or bronze Pentagonal Bolt

Meter pits subject to approval by Village

Water Main and Appurtenances:

Fire Hydrant- Mueller Super Centurion A423, Red, Open Left, Manufacturer Installed Storz Pumper Connection

Water Main Valve- Minimum 6", Epoxy Coated Resilient Wedge, Open Left, All Stainless Bolts, 2" Square Operating Nut as manufactured by Mueller or Clow.

Joint Restraint: Romac Grip Ring, MJ Fieldlok, Fieldlok

All bolts including Standard T and anti-rotational bolts are to be Cor-Blue or Stainless due to local aggressive Soils

Water Main Cement Lined Class 52 Ductile

Valve Box- 2 Piece Domestic

Tapping Saddles are to be stainless wrap around band style with stainless bolts with MJ Connection.

Blow off valves are discouraged in favor of standard hydrants at dead end and high points.

AWWA Leak Testing and Disinfection is to be specified.

Temporary Pressure Testing and Disinfection taps shall be removed and capped at the main.

All Backflow Prevention to be submitted to Orange County Department of Health on form DOH-347

Fire Sprinkler:

Detector Check Assembly with Meter required on Fire Sprinkler

All Backflow Prevention to be submitted to Orange County Department of Health on form DOH-347

Sewer Main and Laterals:

Sewer Pipe- minimum 4" SDR35, O-ring.

Manholes/ Frames- minimum 26" Domestic- EJ Iron: Cover 1203A, Frame 1207Z1 or equivalent with "SANITARY" cast thereon.

Lateral connection to Existing Piping including size/material transitions: Shielded Fernco

Lateral Taps to Main- Insert-a-tee

Drops: Exterior

Leak Testing of Mains and Manholes is to be specified.

Mandrel Testing of Main and extended laterals is to be specified.

Curbs:

20" Deep by 6" Wide with batter, 4000 psi concrete

Drop Curbs are to have a minimum of 1" reveal above finished Road Surface.

Curbs are to be poured independently, No integral curbs/sidewalks

Expansion Joints of ½" Preformed Bituminous Cellulose Board Placed at 20' Intervals

Curbs to be forms both sides, trench will not be used as a form

Sidewalks:

Minimum 5' Width

Minimum 4" Thick, 4000 psi concrete, 6X6 wire mesh reinforcement

Broom Finish

Bituminous expansion material with tear-off cap between expansion joints, ½" below surface, filled to surface with color matching flowable joint sealant, frequency to match adjoining and a maximum of every 20 feet.

Tooled contraction control joints ½" below surface, frequency to match adjoining and a maximum of every 5 feet.

Sidewalk to be sealed with concrete sealer.

Base of 8" of compacted Item #4.

Ramps, slope and cross slope to meet ADA requirements.

Village Owned/ Specified Period Streetlighting:

Mel Northey- Washington Series: 4671 - 12' overall height, LED Lights, Grounding Lug Welded to base

Minimum 1" PVC Conduit

Electrical Disconnect

Traffic Signage

Galvanized u-channel top post-3 lbs. Per linear foot.

4' driven or concreted bottom post with breakaway.

Minimum 7' to bottom of sign, edge of sign minimum of two feet from the road

Type 4 Reflective

Street Sign: Sign-, 9"-.091-gauge aluminum -D/F-Black on White-No Holes, Village Logo

Water Meters:

All Water meters are to be purchased from the Village of Goshen and will owned and maintained by the Village.

Each Housing Unit, Tenant Space, Storefront, etc. is to be independently master-metered.

Meters are to be installed horizontally with service valves on either side.

5 pipe diameters of straight pipe with no fittings are required on either side of the meter.

Sand, Grease and Oil Separators/Interceptors

All Separators are to be submitted upon with calculations by a licensed engineer.

All Interceptors shall be PDI certified and approved by their manufacturer for the designed flow and application.

Construction Management/Permits/Inspections:

All Construction in the Village Right-of-Way is subject to Village Road Opening and Excavation Permits

All Submittals for Materials to be installed are to be reviewed by the Village Engineer and Superintendent of Public Works.

All discharges are to be reviewed for Industrial Sewage Permitting Requirements.

All uses shall be reviewed for hazards requiring backflow prevention.

All Proposed Water usage/Sewage Flows are to be reviewed against capacity and currently committed allocations.

All buried work shall be inspected by the Village of Goshen Department of Public Works prior to backfill.

Daily Stormwater MS4 inspections will be conducted by the contractor by a certified inspector, weekly by an Owner provided certified erosion control specialist or licensed engineer. Monthly inspections will be performed by the Village Engineer on behalf of the Village